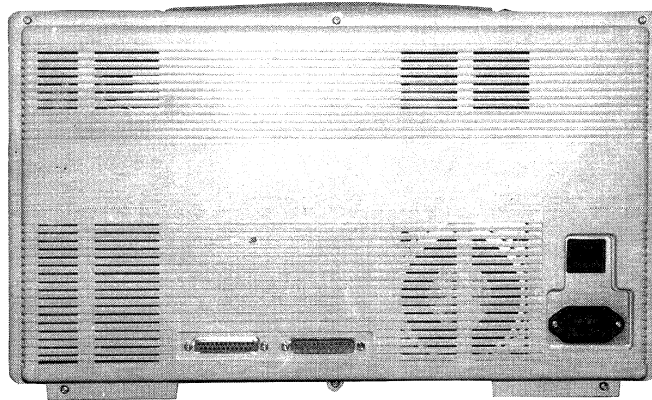


**Technical Reference Manual  
for Installation and repairing  
PCIII portable PC**

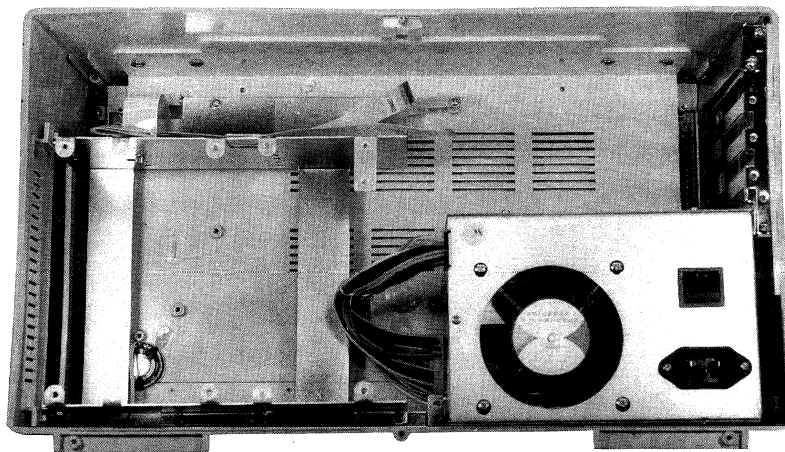
(c)  
by Orchid system  
June 1988

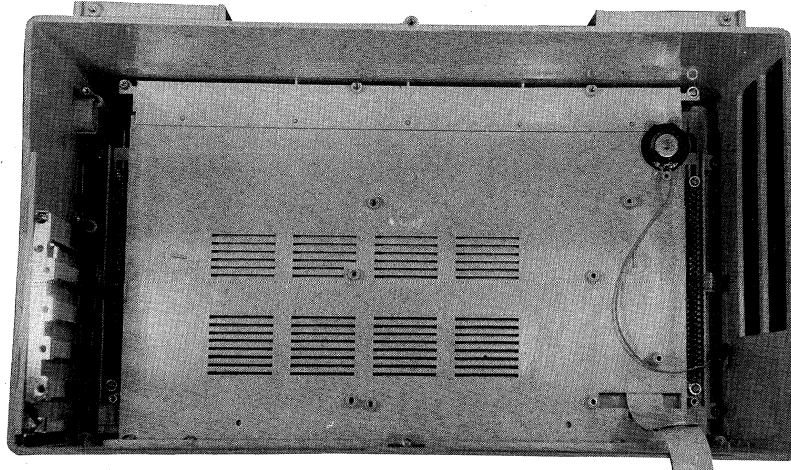
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To install the motherboard, diskette drive, and interface cards the back of the cabinet should be opened first. Removed the 6 screws to open the back of the cabinet.



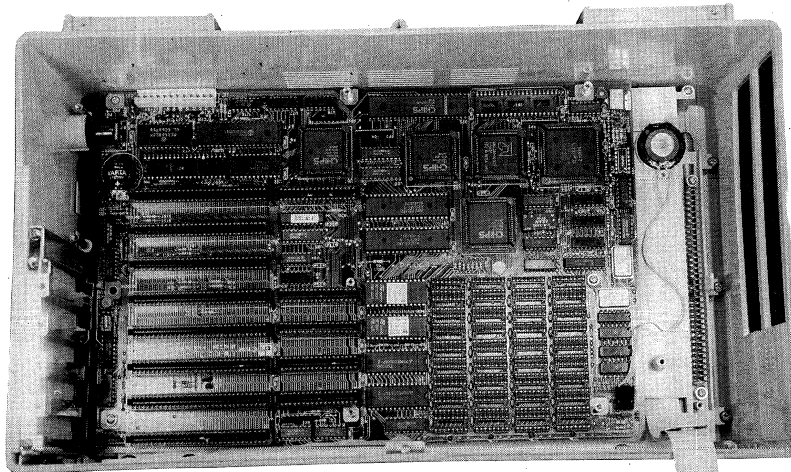
Once the back of the cabinet has been removed, as shown in the picture, only the power supply, disk drive and speaker are installed originally. for further installation (motherboard, fixed disk and floppy disk driver) the disk drive and power supply should be removed first. Keep all the screws and remember the connections for reconnection in the following steps.





To install the motherboard, there are 8 screw holes for the motherboard. Some of these for the standard PC/XT/Baby AT motherboard the other are for optional motherboard.

In installation, the motherboard Cannot be place over the flat monitor cable hole as shown at the picture

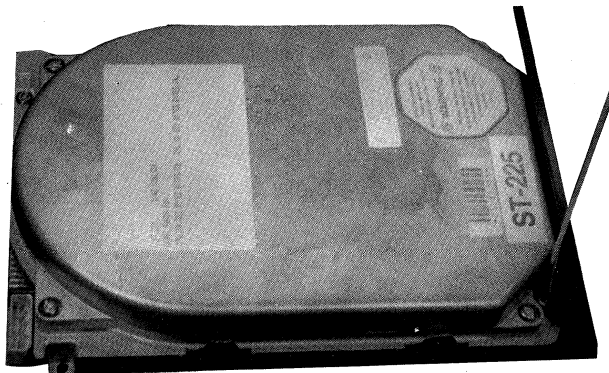


Remove the original protection cover of the fixed disk as shown in picture 1 (following page).

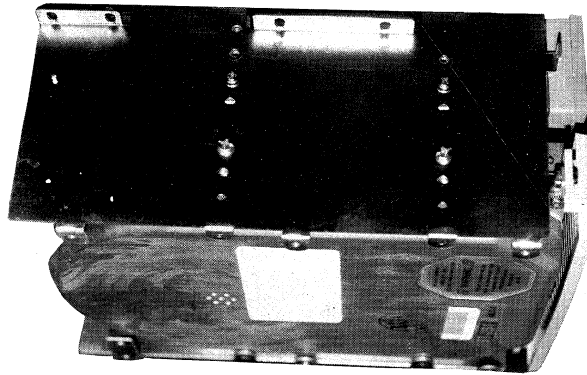
Fix the floppy disk driver and leave one screw free for the flat monitor cable as shown in picture 2.

Fix the fixed disk as shown in picture 3 using the special screws for the fixed disk.

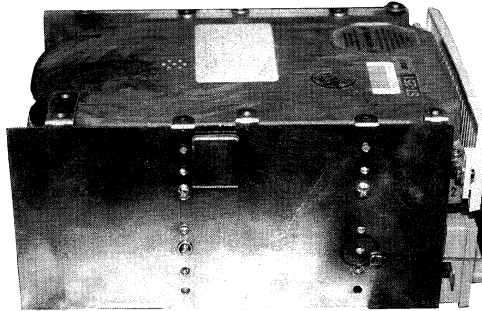
Do not connect any power cords or signal cable before installation inside the cabinet.



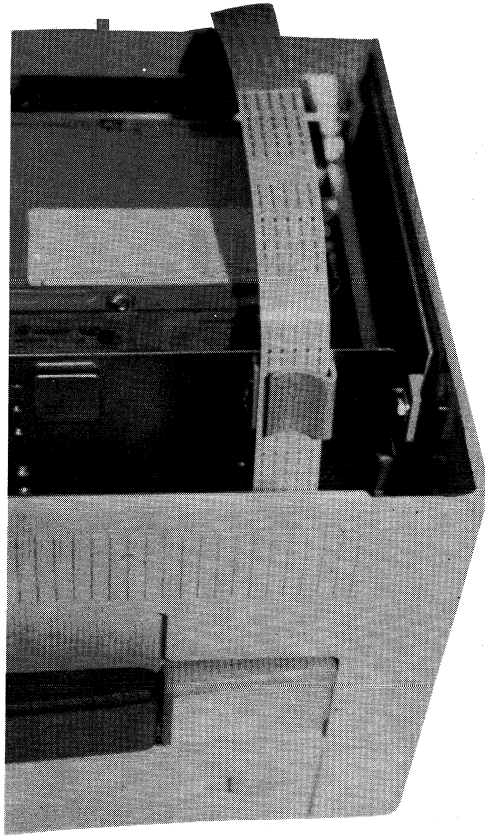
Picture 1



Picture 2



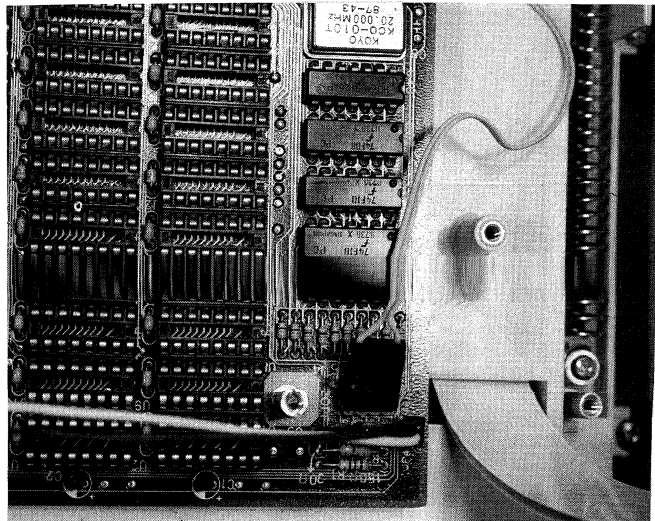
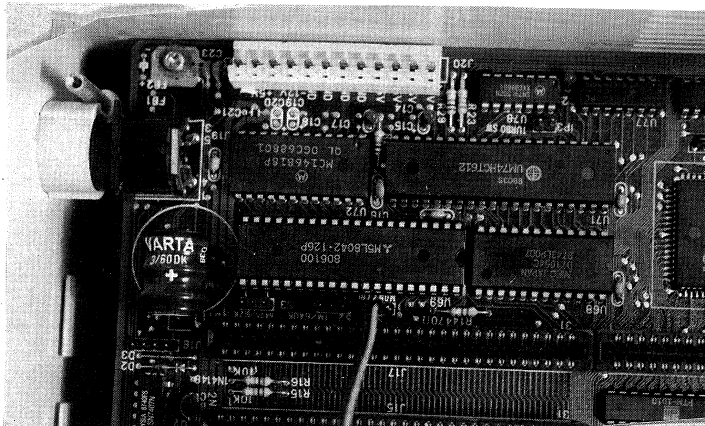
Picture 3



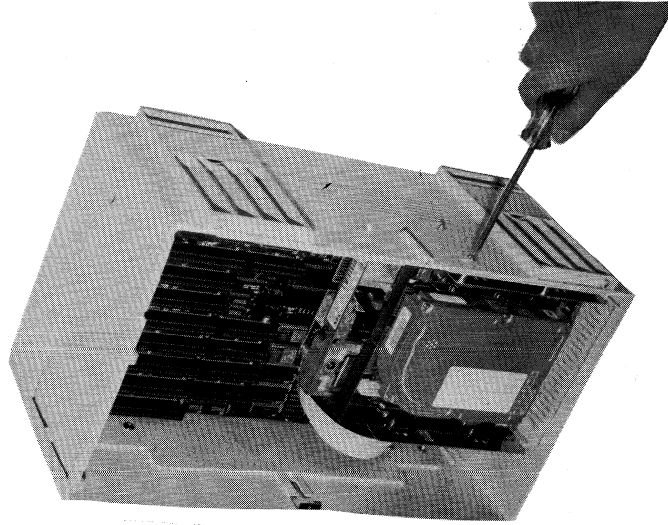
To install the disk flame inside the cabinet, the flat monitor cable should be installed first. Please use the plastic clipper to hold this tables.

The portable computer is a compact and tightly installed personal computer, it is not as easy to change the configuration and DIP switch settings in desktop PCs. To reduce this kind of inconvenience most of the DIP switches should be extended to be controlled at the expansion slot or front of the cabinet. The MONO/COLOR, Reset, Speaker, HDD/FDD indicator should be reconnected.

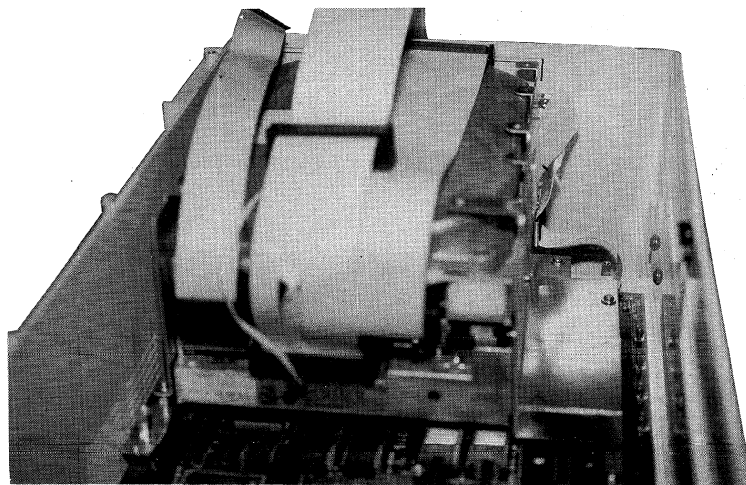
Before installing the other equipment above the motherboard, the MONO/COLOR default setting DIP switch should be hooked up with the extension cable as shown in the picture. This DIP is always a three pin connector be sure to connect the extension cable at the SIDE FOR SETTING DEFAULT IN COLOR MODE. The reset and speaker cables have to be connected the same way.



The prepared fixed disk and floppy disk driver frame can be easily installed as shown in the picture. Be sure to use the 7 M3×6 screws to hook it up.



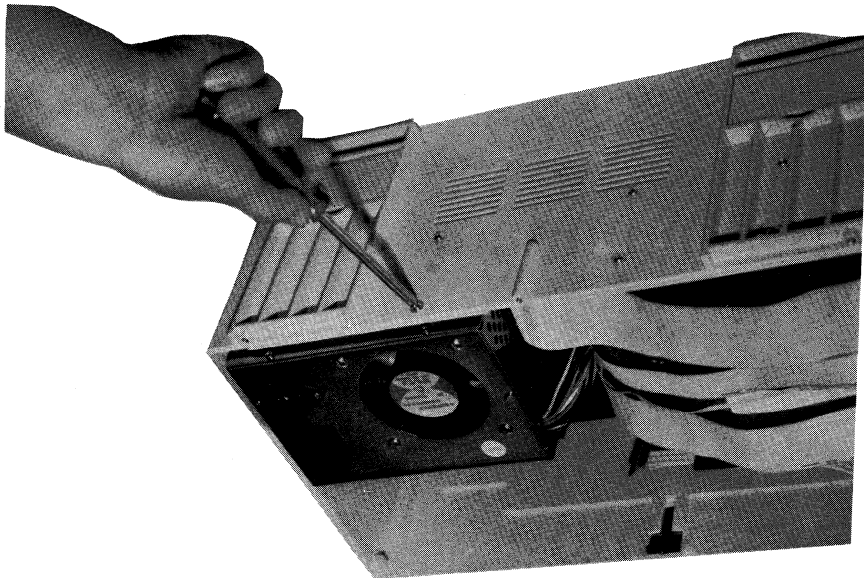
After the frame is installed tightly, the signal cables of the fixed disk and floppy disk can be connected. As shown in the picture, these cables should be put in this way after connection for easy installation of the power supply.



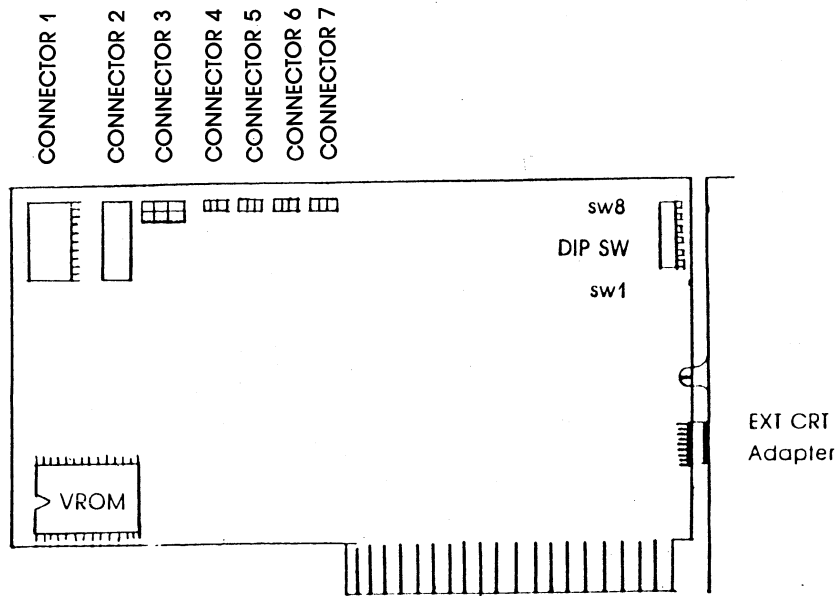


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Install the power supply as shown in the picture. Plug in the power cord of the motherboard, fixed disk, and floppy disk. The power cord for the motherboard should be bent under the power supply case.



The final step of installation in the side of the cabinet includes connecting all signal cables and installation of the interface cards. At common LCD/PLASMA video card, I/O card and HDD/FDD controller needed to install. Refer to the following diagram of the signal connecting and as shown in the picture and you will easily install these to the cables. All the cables should be connected tightly.



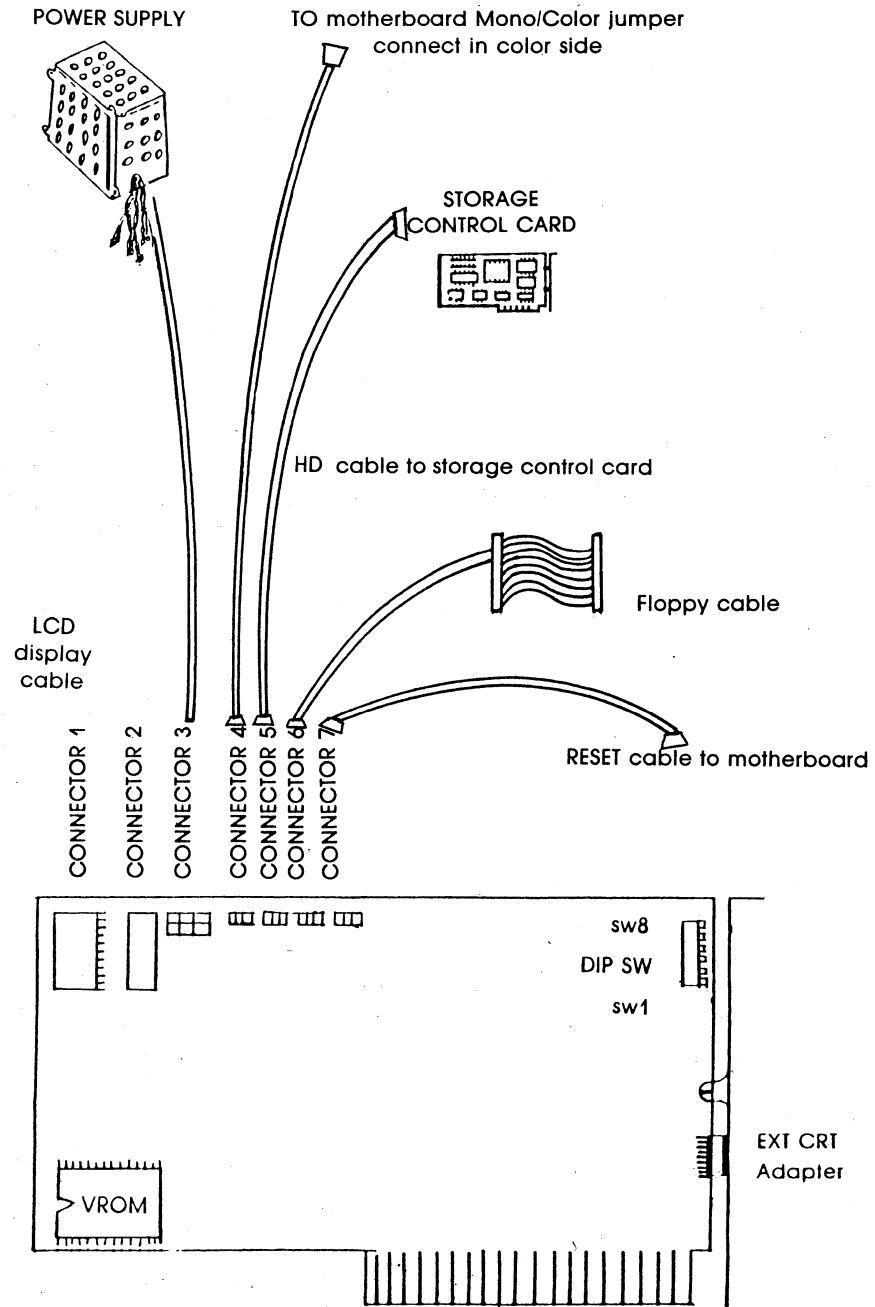
connector 1 ... to LCD signal flat cable 1  
connector 2 .....2  
connector 3 ... to power supply LCD power cord

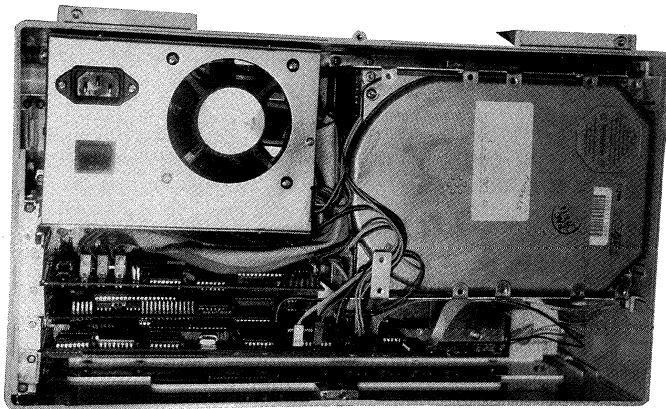
1	EL	GN	CUT OFF	3
	EL	GN	-24	

**signal digram of power cord**

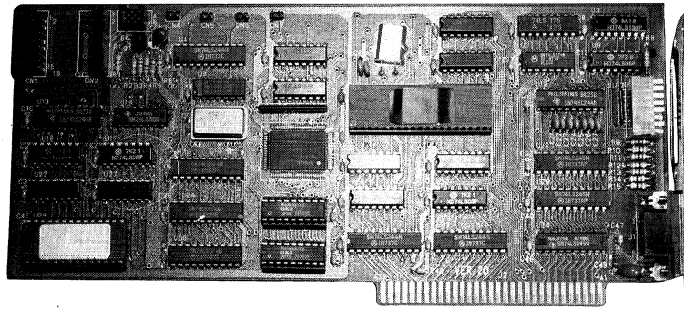
connector 4 ... color/mon I/O connect to the pin setting of mothoboot (connect to the color side)  
connector 5 ... HD signal cable connector  
connector 6 ... Floppy dirver signal cable connector  
connector 7 ... Riset signal cable connector

### INTERNAL CONNECTION OF CABLE

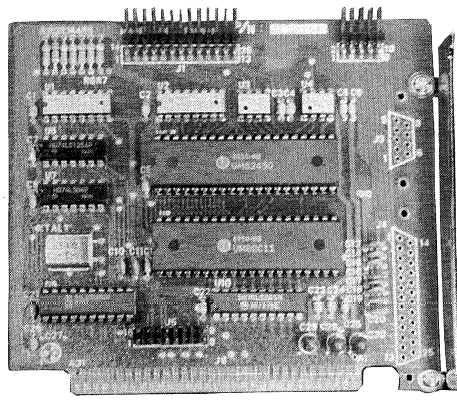




Finish of installation



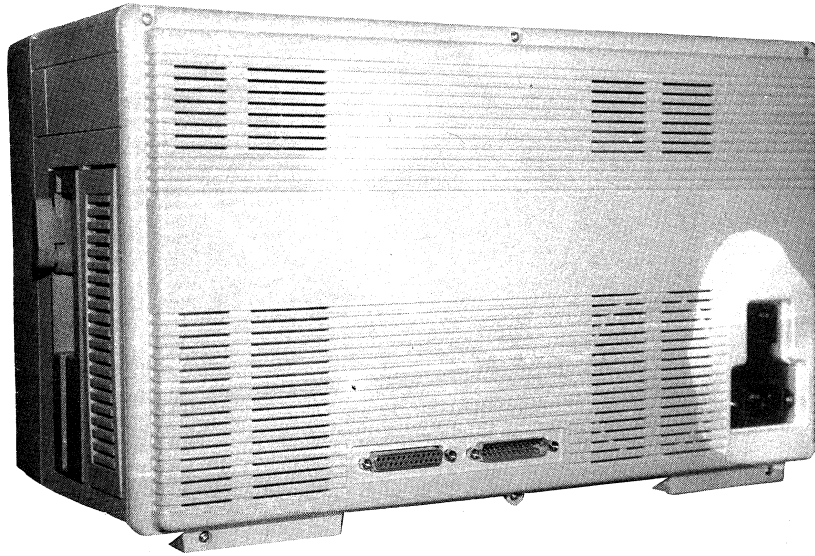
LCD/PLASMA multidisplay controller



I/O card

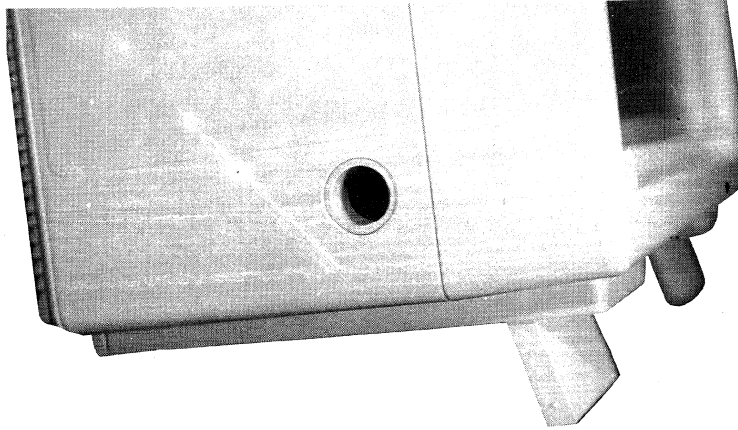
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To replace the back cabinet cover, the bottom center screw should be inserted and screwed first. Use the two longer M3XL32 screws for the two upper sides of the back cabinet. For easy installation, the slot window can be opened to view the screw in installation, the other one should be screwed down straight.

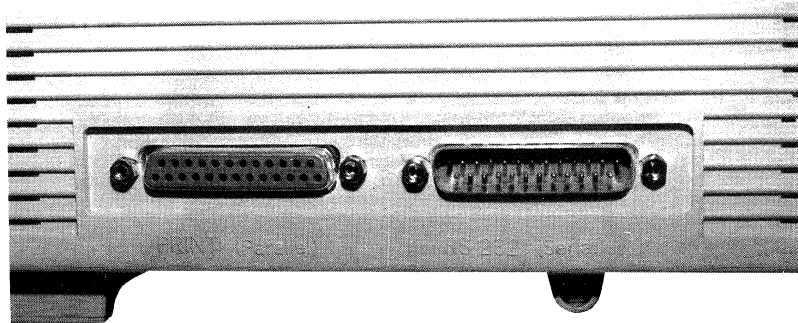


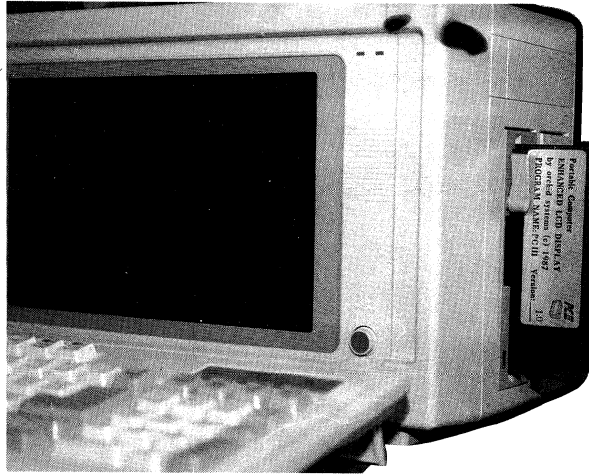
## ACCESSORY AND FUNCTIONS

Fold-out stands for improved viewing.  
This stand provides 10 degrees more for better viewing.

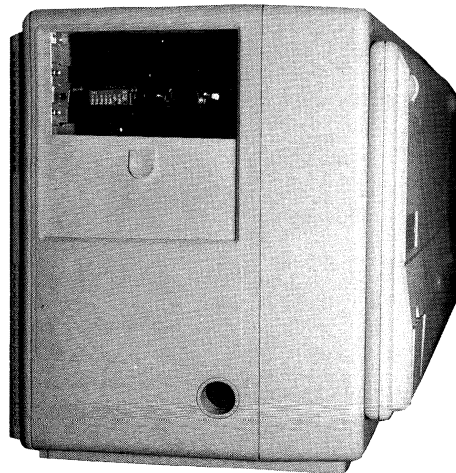


The Serial and Parallel print port are in the standard configuration for personal computers. Built-in on the back cabinet, they provides a much easier way to hook up peripheral equipment.

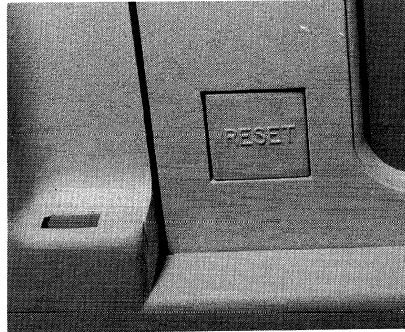




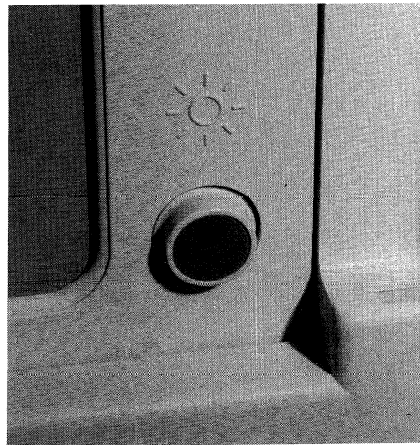
PCIII enhanced software diskette for advanced LCD/PLASMA functions. For using this software, please refer to the user guide.



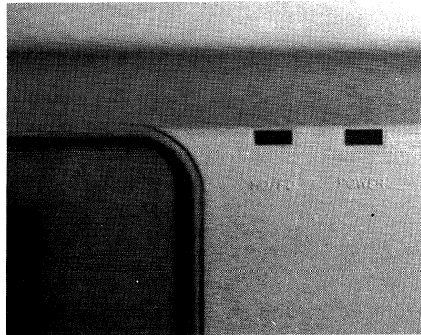
The video DIP switched and External monitor adaptor are located inside the window slot after installation.



System reset nuf Please check reset cable in video card and motherboard when doesn't work.

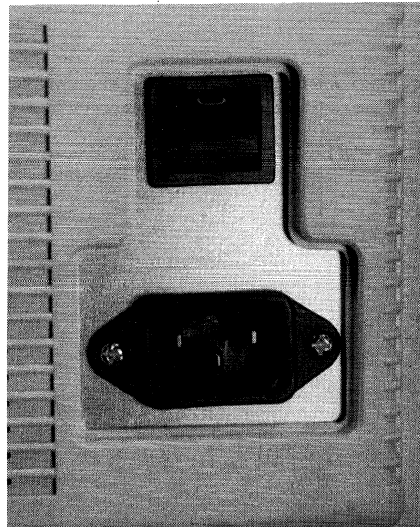


Brightness adjusting, check in connection inside the monitor when doesn't work.



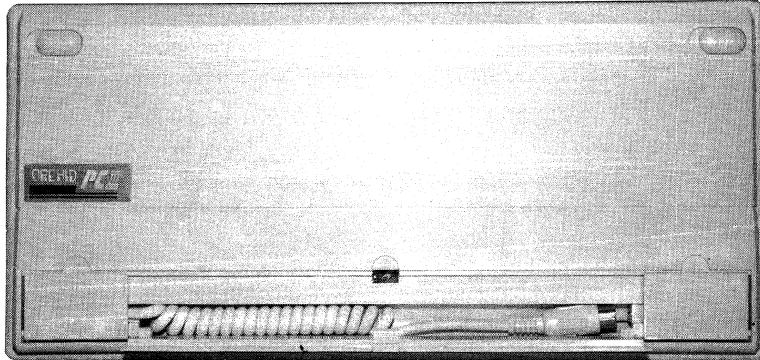
Power indicator, the power cord of the power supply do not connect to the motherboard properly when doesn't turn red color in turn on the power.

For HDD/FDD indicator, use DOS DIR command to test the indicator, orange light for FDD and green light for HDD. Check the polaritive signal cords while do not work properly.

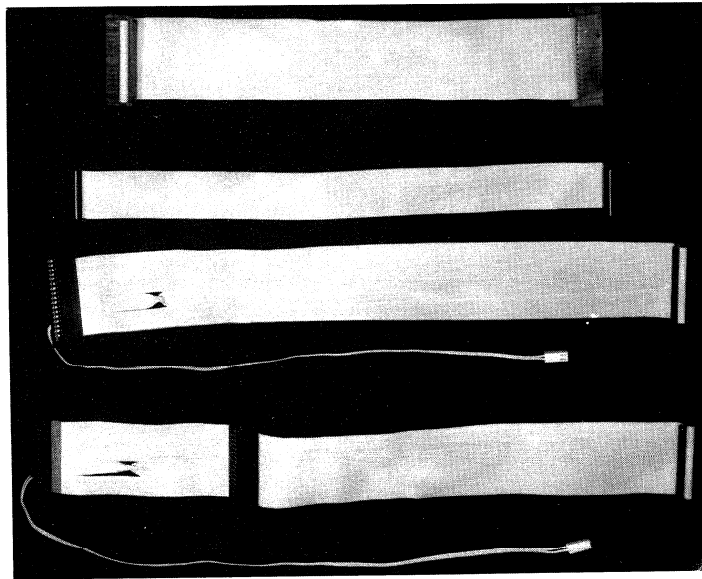


power switch and plug for AC power source, for 110/220 Auto switching.





Keyboard cord store in the keyboard window.



cable 1 for HDD  
cable 2 for HDD  
cable 3 for 1 FDD system  
cable 4 for 2 FDD system

